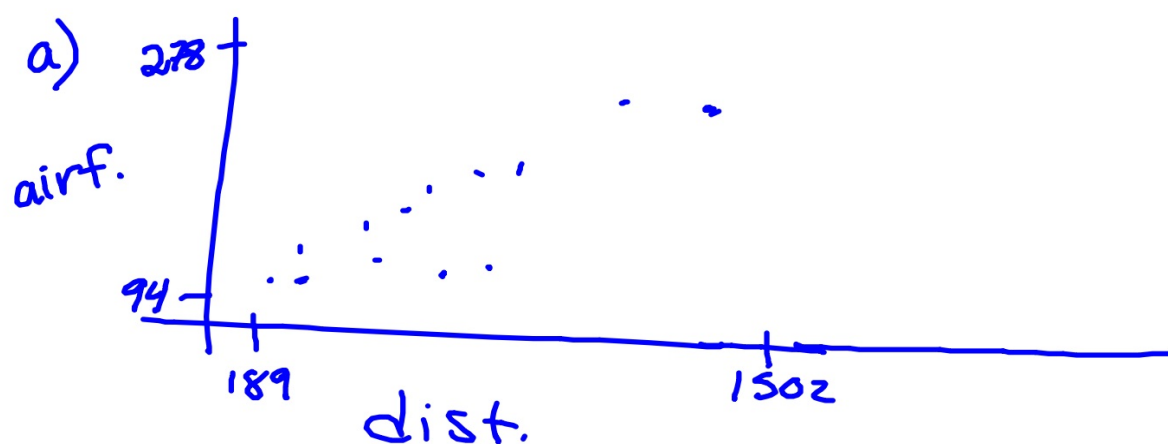


Core assessment 2, practice #2



b) positive
linear
moderate

c) no

d) $\hat{y} = 83.267 + 0.117x$
 $r = 0.795$

e) moderate

no. correlation \Rightarrow mod. strong
strong

f) $\frac{+0.117}{1} = \frac{y}{x}$

For every 1 mile of distance,
the airfare increases by \$0.117.

$$\hat{y} = 83.267 + 0.117(2000)$$

$$\hat{y} = \$318.02$$

* units
* work

$$\cancel{y_1(2000)}$$

- no, not a good pred.
- 2000 is very far outside of x-range of the data.